Marashield WA-FXG

Water-based liquid laminate for automatic or manual application

High level of protection, non-yellowing, flexible, glossy, suited for long-term outdoor use

Vers. 01
2014
1. Apr

Field of application

Substrates

Marashield WA-FXG is particularly suited for coating UV or solvent-based inkjet prints on PCV materials.

Field of use

Marashield WA-FXG was developed as a protective coating for UV or solvent-based inkjet prints. It can be applied either manually or automatic, e. g. with the StarLam Liquid Laminator 1600R.

A basic requirement is good adhesion of the inkjet ink to the substrate.
The ink film must dry sufficiently before Marashield WA-FXG is applied.

Please generally allow solvent-based prints to dry for 24 h before coating.
Insufficiently dried prints may result in flow problems if varnished with Liquid Coatings.

Since all the print substrates mentioned may be different in printability even within an individual type, preliminary trials are essential to determine the suitability for the intended use.

Characteristics

Ink Adjustment

Marashield WA-FXG should be stirred homogeneously before printing and if necessary during production.

Drying

The drying parameters must be determined individually. They depend on the coating thickness and will vary, especially if the Liquid Coating is applied manually with roller, sponge, mop, or spray gun. In general, the minimum drying time is 1 h at ambient temperature, and complete drying can be expected after 24 h.

Sufficient drying must be ensured before the substrate can be rolled up.

Fade resistance

Marashield WA-FXG is suitable for outdoor exposure of up to 3 years, referred to the middle European climate. The fade resistance of the finished product, however, also depends on the digital printing ink and the substrate used.

Resistance

Marashield WA-FXG is alkali resistant and furthermore resistant against acids, alcohol (40%), and gasoline.
The chemical and mechanical resistance increases with the thickness of the applied layer.

Range

Marashield WA-FXG	flexible, glossy

Cleaning

Marashield WA-FXG can be cleaned with water. Do not empty large amounts into drains. Left-over varnish should be left to dry in the container before disposal in domestic waste.

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Shelf life

Marashield WA-FXG is a water-based product and in order to avoid frost damages, it should under no circumstances (not even shortly) be exposed to temperatures lower than 5°C during transport and storage.
If permanently stored at a temperature range of 15–25 °C, the shelf life of the unopened ink container is 12 months. Under different conditions, particularly differing storage temperatures, the shelf life is reduced. In such cases, the warranty given by Marabu expires.

Note

Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. This is not meant as an assurance for certain properties of the products nor their suitability for each application.
You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, they shall be limited to the value of the goods delivered by us and utilised by you with respect to any and all damages not caused intentionally or by gross negligence.

Labelling
For Marashield WA-FXG and its auxiliaries, there are current Material Safety Data Sheets available according to EC regulation 1907/2006, informing in detail about all relevant safety data including labelling according to the present EEC regulations as to health and safety labelling requirements. Such health and safety data may also be derived from the respective label.

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